# EAST Search History

| Ref # | Hits | Search Query | DBs | Default Operator | Plurals | Time Stamp |
|---|---|---|---|---|---|---|
| L8 | 141 | vertical$4 near4 ("flow cell") | US-PGPUB; USPAT; USOCR; EPO; JPO | OR | OFF | 2006/06/19 16:33 |
| L10 | 61 | centrifug$6 near8 "flow cell" | US-PGPUB; USPAT; USOCR; EPO; JPO | OR | OFF | 2006/06/19 16:39 |
| L11 | 2 | centrifug$6 near8 "flow cell" and (immiscib$6 near4 (fluid$2 or liquid$2)) | US-PGPUB; USPAT; USOCR; EPO; JPO | OR | OFF | 2006/06/19 16:40 |
| L14 | 5 | "flow cell" and (centrifug$6 same (immiscib$6 near4 (fluid$2 or liquid$2))) | US-PGPUB; USPAT; USOCR; EPO; JPO | OR | OFF | 2006/06/19 16:42 |
| S1 | 146 | (pressur$6 near4 gradient$4) same (strata$6 or stratif$6) | US-PGPUB; USPAT; USOCR; EPO; JPO | OR | OFF | 2006/06/19 14:50 |
| S2 | 88 | (pressur$6 near4 gradient$4) same (strata$6 or stratif$6) same (fluid$2) | US-PGPUB; USPAT; USOCR; EPO; JPO | OR | OFF | 2006/06/19 14:50 |
| S3 | 84210 | ("flow cell" or cartridg$4 or casset$4 or $5array$2 or $5chip$2 or immobiliz$6) near6 (vertical$6 or tilt$4 or angle$4) | US-PGPUB; USPAT; USOCR; EPO; JPO | OR | OFF | 2006/06/19 14:53 |
| S4 | 379 | S3 and ("flow cell" or cartridg$4 or casset$4 or $5array$2 or $5chip$2 or immobiliz$6) same (fluid$2 near4 (layer$2 or immiscib$4 or densit$4)) | US-PGPUB; USPAT; USOCR; EPO; JPO | OR | OFF | 2006/06/19 15:20 |
| S5 | 1815 | vertical$4 near4 (substrate$2 or surface$2) same bubbl$4 | US-PGPUB; USPAT; USOCR; EPO; JPO | OR | OFF | 2006/06/19 15:21 |
| S6 | 12 | S5 and nucleic | US-PGPUB; USPAT; USOCR; EPO; JPO | OR | OFF | 2006/06/19 15:22 |
| S7 | 8 | (vertical$4 near4 nucleic) same ($5array$2 or $5chip$2 or immobiliz$6) | US-PGPUB; USPAT; USOCR; EPO; JPO | OR | OFF | 2006/06/19 15:24 |

# EAST Search History

| | | | | | | |
|---|---|---|---|---|---|---|
| S8 | 84 | nucleic same ((vertical$6 or tilt or angle$4) near8 ($5array$2 or $5chip$2 or immobiliz$6)) | US-PGPUB; USPAT; USOCR; EPO; JPO | OR | OFF | 2006/06/19 15:25 |
| S9 | 1124 | nucleic and ((vertical$6 or tilt or angle$4) near8 ($5array$2 or $5chip$2 or immobiliz$6)) | US-PGPUB; USPAT; USOCR; EPO; JPO | OR | OFF | 2006/06/19 15:26 |
| S10 | 762 | nucleic and ((vertical$6 or tilt$4 or bevel$4 or angle$4) near4 ($5array$2 or $5chip$2 or immobiliz$6)) | US-PGPUB; USPAT; USOCR; EPO; JPO | OR | OFF | 2006/06/19 15:26 |
| S11 | 48 | nucleic same ((vertical$6 or tilt$4 or bevel$4 or angle$4) near4 ($5array$2 or $5chip$2 or immobiliz$6)) | US-PGPUB; USPAT; USOCR; EPO; JPO | OR | OFF | 2006/06/19 15:30 |
| S12 | 1 | "6681508".pn. | US-PGPUB; USPAT; USOCR; EPO; JPO | OR | OFF | 2006/06/19 15:33 |
| S13 | 1 | "5085533".pn. | US-PGPUB; USPAT; USOCR; EPO; JPO | OR | OFF | 2006/06/19 15:31 |
| S14 | 22 | pump$4 near4 (immiscibl$4 near4 (liquid$2 or fluid$2)) same vertical$4 | US-PGPUB; USPAT; USOCR; EPO; JPO | OR | OFF | 2006/06/19 15:35 |
| S15 | 47 | pump$4 and ((immiscibl$4 near4 (liquid$2 or fluid$2)) same vertical$4 near4 flow$4) | US-PGPUB; USPAT; USOCR; EPO; JPO | OR | OFF | 2006/06/19 15:36 |
| S16 | 34 | (peck and leproust).in. | US-PGPUB; USPAT; USOCR; EPO; JPO | OR | OFF | 2006/06/19 15:36 |
| S17 | 4 | (peck and leproust).in. and "pressure gradient" | US-PGPUB; USPAT; USOCR; EPO; JPO | OR | OFF | 2006/06/19 15:37 |
| S18 | 21 | centrifug$6 same (($5array$2 or $5chip$2 or immobiliz$6) and (immiscib$5 near4 liquid$2)) | US-PGPUB; USPAT; USOCR; EPO; JPO | OR | OFF | 2006/06/19 15:43 |
| S19 | 3 | centrifug$6 same ((reagent$2 near4 deliver$4) and (immiscib$5 near4 liquid$2)) | US-PGPUB; USPAT; USOCR; EPO; JPO | OR | OFF | 2006/06/19 16:08 |

# EAST Search History

| | | | | | | |
|---|---|---|---|---|---|---|
| S20 | 141 | vertical$4 near4 ("flow cell") | US-PGPUB; USPAT; USOCR; EPO; JPO | OR | OFF | 2006/06/19 16:25 |
| S21 | 31 | S20 and (centrifug$6) | US-PGPUB; USPAT; USOCR; EPO; JPO | OR | OFF | 2006/06/19 16:10 |
| S22 | 13 | S20 and (centrifug$6 same "flow cell") | US-PGPUB; USPAT; USOCR; EPO; JPO | OR | OFF | 2006/06/19 16:33 |

# EAST Search History

| Ref # | Hits | Search Query | DBs | Default Operator | Plurals | Time Stamp |
|---|---|---|---|---|---|---|
| S1 | 1 | "6426184".pn. | US-PGPUB; USPAT; USOCR; EPO; JPO | OR | OFF | 2006/06/19 11:15 |
| S2 | 13329 | (densit$4 near4 (gradient$2 or differen$6)) and ((purg$4 or interven$5 or intermediat$4 or wash$4 or rins$4) near4 (solution$2 or fluid$4 or buffer$2)) | US-PGPUB; USPAT; USOCR; EPO; JPO | OR | OFF | 2006/06/19 11:19 |
| S3 | 1013 | (densit$4 near4 (gradient$2 or differen$6)) same ((purg$4 or interven$5 or intermediat$4 or wash$4 or rins$4) near4 (solution$2 or fluid$4 or buffer$2)) | US-PGPUB; USPAT; USOCR; EPO; JPO | OR | OFF | 2006/06/19 11:19 |
| S4 | 219 | (densit$4 near4 (gradient$2 or differen$6)) same ((purg$4 or interven$5 or intermediat$4 or wash$4 or rins$4) near4 (solution$2 or fluid$4 or buffer$2)) same (substrat$2 or surface$2 or $5chip$2 or $5array$2) | US-PGPUB; USPAT; USOCR; EPO; JPO | OR | OFF | 2006/06/19 11:25 |
| S5 | 77 | S4 and (pressur$4 same (gradient$4 or differen$4)) | US-PGPUB; USPAT; USOCR; EPO; JPO | OR | OFF | 2006/06/19 11:21 |
| S6 | 14319 | (semiconduct$4 same (wash$4 or process$4 or prepar$6)) and ((fluid$4 or solution$4 or bath$4) same (densit$4)) | US-PGPUB; USPAT; USOCR; EPO; JPO | OR | OFF | 2006/06/19 11:28 |
| S7 | 577 | (semiconduct$4 same (wash$4 or process$4 or prepar$6)) and ((fluid$4 or solution$4 or bath$4) same (differen$4 near4 densit$4)) | US-PGPUB; USPAT; USOCR; EPO; JPO | OR | OFF | 2006/06/19 11:29 |
| S8 | 105 | S7 and (pressur$4 near4 (differen$4 or gradient$2)) | US-PGPUB; USPAT; USOCR; EPO; JPO | OR | OFF | 2006/06/19 11:31 |
| S9 | 878 | S6 and (bubbl$4 same (minimiz$6 or eliminat$4)) | US-PGPUB; USPAT; USOCR; EPO; JPO | OR | OFF | 2006/06/19 11:32 |
| S10 | 24 | S8 and S9 | US-PGPUB; USPAT; USOCR; EPO; JPO | OR | OFF | 2006/06/19 11:33 |

# EAST Search History

| S11 | 61 | S7 and S9 | US-PGPUB; USPAT; USOCR; EPO; JPO | OR | OFF | 2006/06/19 11:33 |
|-----|-----|-----------|------|------|------|------|
| S12 | 215 | (chamber$2 or casset$4 or cartridg$2 or card$2) same strata$6 near3 (fluid or reagent or liquid) | US-PGPUB; USPAT; USOCR; EPO; JPO | OR | OFF | 2006/06/19 13:24 |
| S13 | 84 | S12 and (chamber$2 or casset$4 or cartridg$2 or card$2) near5 pressure | US-PGPUB; USPAT; USOCR; EPO; JPO | OR | OFF | 2006/06/19 13:23 |
| S14 | 1 | "5617567".pn. | US-PGPUB; USPAT; USOCR; EPO; JPO | OR | OFF | 2006/06/19 13:26 |
| S15 | 46 | ("3618027" \| "3670310" \| "4128891" \| "4497039" \| "4498145" \| "4575798" \| "4631664" \| "4670848" \| "4791561" \| "4807122" \| "4829427" \| "4893232" \| "4901229" \| "4918593" \| "4930071" \| "4930072" \| "4933848" \| "4947320" \| "4967341" \| "5133068" \| "5168565" \| "5226158" \| "5239663" \| "5386557" \| "5386559" \| "5408657" \| "5488722").PN. OR ("5617567").URPN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2006/06/19 13:25 |
| S16 | 0 | S15 and strata$6 near2 (fluid or reagent or liquid) | US-PGPUB; USPAT; USOCR; EPO; JPO | OR | OFF | 2006/06/19 13:25 |
| S17 | 0 | S15 and (strata$6 near2 (fluid or reagent or liquid)) | US-PGPUB; USPAT; USOCR; EPO; JPO | OR | OFF | 2006/06/19 13:26 |
| S18 | 19 | ("5617567").urpn. | US-PGPUB; USPAT; USOCR; EPO; JPO | OR | OFF | 2006/06/19 13:27 |
| S19 | 0 | S18 and (strata$6 near2 (fluid or reagent or liquid)) | US-PGPUB; USPAT; USOCR; EPO; JPO | OR | OFF | 2006/06/19 13:35 |
| S20 | 1 | "6681508".pn. | US-PGPUB; USPAT; USOCR; EPO; JPO | OR | OFF | 2006/06/19 13:27 |

# EAST Search History

| S21 | 3534 | (immiscib$6 near3 (fluid$2 or liquid$2 or reagent$2)) same pressure | US-PGPUB; USPAT; USOCR; EPO; JPO | OR | OFF | 2006/06/19 13:29 |
|-----|------|-----|-----|-----|-----|-----|
| S22 | 69 | (immiscib$6 near3 (fluid$2 or liquid$2 or reagent$2)) same (pressure$2 near4 gradient$2) | US-PGPUB; USPAT; USOCR; EPO; JPO | OR | OFF | 2006/06/19 13:31 |
| S23 | 2541 | strata$6 near4 (liquid$2 or fluid$2 or reagent$2) | US-PGPUB; USPAT; USOCR; EPO; JPO | OR | OFF | 2006/06/19 13:32 |
| S24 | 879 | S23 and (chamber$2 or cartridg$2 or cassett$2) | US-PGPUB; USPAT; USOCR; EPO; JPO | OR | OFF | 2006/06/19 13:32 |
| S25 | 185 | S24 and (nucleic or dna or rna or $5nucleotide$2) | US-PGPUB; USPAT; USOCR; EPO; JPO | OR | OFF | 2006/06/19 13:33 |
| S26 | 41 | S25 and (pressure$2) | US-PGPUB; USPAT; USOCR; EPO; JPO | OR | OFF | 2006/06/19 13:33 |
| S27 | 2 | ("6681508" or "5617657").pn. | US-PGPUB; USPAT; USOCR; EPO; JPO | OR | OFF | 2006/06/19 13:47 |

| S28 | 154 | ("0685110" | "1533738" | "1856098" | "1979336" | "20020069565" | "2054275" | "2072841" | "2160474" | "2162897" | "2182570" | "2278383" | "2378934" | "2412171" | "2412379" | "2443510" | "2453176" | "2453177" | "2453178" | "2453962" | "2468283" | "2481358" | "2520691" | "2589757" | "2818770" | "2877051" | "3058245" | "3119565" | "3151811" | "3242330" | "3387396" | "3392466" | "3531635" | "3564740" | "3568927" | "3570156" | "3593444" | "3613264" | "3629958" | "3686494" | "3711698" | "3738036" | "3777379" | "3783036" | "3843244" | "3964194" | "3973340" | "4023289" | "4034493" | "4057921" | "4070777" | "4072855" | "4085533" | "4170035" | "4196899" | "4208848" | "4215500" | "4217315" | "4395835" | "4419283" | "4609974" | "4686784" | "4715136" | "4742439" | "4749126" | "4757625" | "4817311" | "4858083" | "4901922" | "4974127" | "4985811" | "5006375" | "5018288" | "5151829" | "5152210" | "5160086" | "5165781" | "5272604" | "5291674" | "5313727" | "5324224" | "5416994" | "5426877" | "5426878" | "5430629" | "5442869" | "5491916" | "5617657" | "5678918" | "5683174" | "5685097" | "5695119" | "5706594" | "5711099" | "5749799" | "5791078" | "5802750" | "5803580" | "5816884" | "5823661" | "5862984" | "5913595" | "5938318" | "5967639" | "5979091" | "5979791" | "6006461" | "6015216" | "6027774" | "6052930" | "6065850" | "6076741" | "6078426" | "6135604" | "6187394" | "6203394" | "6206536" | "6385880" | "6481128" | "D248632").PN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2006/06/19 13:35 |
|-----|-----|-----|-----|-----|-----|-----|
| S29 | 1 | S28 and (strata$6 near2 (fluid or reagent or liquid)) | US-PGPUB; USPAT; USOCR; EPO; JPO | OR | OFF | 2006/06/19 13:35 |

| S30 | 1 | "20020174577".pn. | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO | OR | OFF | 2006/06/19 13:36 |
|-----|------|-------------------|------------------|------|------|------------------|
| S31 | 1871 | (strata$6 near4 (liquid$2 or fluid$2 or reagent$2)) and pressur$4 | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO | OR | OFF | 2006/06/19 13:39 |
| S32 | 87 | (strata$6 near4 (liquid$2 or fluid$2 or reagent$2)) and (pressur$4 near3 gradient) | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO | OR | OFF | 2006/06/19 13:39 |
| S33 | 2 | ("4804082" or "6139708").pn. | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO | OR | OFF | 2006/06/19 13:53 |
| S34 | 1 | "6426184".pn. | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO | OR | OFF | 2006/06/19 13:53 |

# EAST Search History

| Ref # | Hits | Search Query | DBs | Default Operator | Plurals | Time Stamp |
|---|---|---|---|---|---|---|
| L2 | 1 | "6426184".pn. | US-PGPUB; USPAT; USOCR; EPO; JPO | OR | OFF | 2006/06/19 14:15 |
| L3 | 55422 | ("flow cell" or cartridg$4 or casset$4) same (tilt$4 or angle$2 or vertical$4) | US-PGPUB; USPAT; USOCR; EPO; JPO | OR | OFF | 2006/06/19 14:17 |
| L4 | 15872 | ("flow cell" or cartridg$4 or casset$4) near4 (tilt$4 or angle$2 or vertical$4) | US-PGPUB; USPAT; USOCR; EPO; JPO | OR | OFF | 2006/06/19 14:17 |
| L5 | 101 | l3 and ((strata$6 or stratif$6) same (fluid$2 or reagent$2 or liquid$2)) | US-PGPUB; USPAT; USOCR; EPO; JPO | OR | OFF | 2006/06/19 14:25 |
| L6 | 1 | affymax.as. and (strata$6 same (fluid$2 or reagent$2 or liquid$2)) | US-PGPUB; USPAT; USOCR; EPO; JPO | OR | OFF | 2006/06/19 14:22 |
| L7 | 16 | l4 and ((strata$6 or stratif$6) same (fluid$2 or reagent$2 or liquid$2)) | US-PGPUB; USPAT; USOCR; EPO; JPO | OR | OFF | 2006/06/19 14:24 |
| L8 | 3148 | l3 and ((layer$4) same (fluid$2 or reagent$2 or liquid$2)) | US-PGPUB; USPAT; USOCR; EPO; JPO | OR | OFF | 2006/06/19 14:25 |
| L9 | 1 | l8 and ((immiscib$4 near4 layer$4) same (fluid$2 or reagent$2 or liquid$2)) | US-PGPUB; USPAT; USOCR; EPO; JPO | OR | OFF | 2006/06/19 14:26 |
| L10 | 70 | l8 and (immiscib$$ same (fluid$2 or reagent$2 or liquid$2)) | US-PGPUB; USPAT; USOCR; EPO; JPO | OR | OFF | 2006/06/19 14:35 |
| L11 | 69 | l8 and (immiscib$4 same (fluid$2 or reagent$2 or liquid$2)) | US-PGPUB; USPAT; USOCR; EPO; JPO | OR | OFF | 2006/06/19 14:31 |
| L12 | 1 | "5617657".pn. | US-PGPUB; USPAT; USOCR; EPO; JPO | OR | OFF | 2006/06/19 14:36 |

# EAST Search History

| L13 | 0 | pressur$4 near3 gradeint$2 near4 (strata$6 or stratif$6) | US-PGPUB; USPAT; USOCR; EPO; JPO | OR | OFF | 2006/06/19 14:37 |
|-----|---|---|---|---|---|---|
| L14 | 13 | pressur$4 near3 gradient$2 near4 (strata$6 or stratif$6) | US-PGPUB; USPAT; USOCR; EPO; JPO | OR | OFF | 2006/06/19 14:39 |
| L15 | 145 | pressur$4 near3 gradient$2 same (strata$6 or stratif$6) | US-PGPUB; USPAT; USOCR; EPO; JPO | OR | OFF | 2006/06/19 14:40 |
| L16 | 13 | l15 and (vertical$4 near4 flow$4) | US-PGPUB; USPAT; USOCR; EPO; JPO | OR | OFF | 2006/06/19 14:40 |
| S2 | 10 | (peck or leproust).in. and ("deblocking" near4 fluid$2) | US-PGPUB; USPAT; USOCR; EPO; JPO | OR | OFF | 2006/06/16 15:47 |
| S3 | 3 | (gao).in. and "deblocking" | US-PGPUB; USPAT; USOCR; EPO; JPO | OR | OFF | 2006/06/16 08:46 |
| S4 | 0 | goa.in. and photogenerat$4 | US-PGPUB; USPAT; USOCR; EPO; JPO | OR | OFF | 2006/06/16 08:46 |
| S5 | 16 | gao.in. and photogenerat$4 | US-PGPUB; USPAT; USOCR; EPO; JPO | OR | OFF | 2006/06/16 08:46 |
| S6 | 25 | (peck or leproust).in. and "deblocking" | US-PGPUB; USPAT; USOCR; EPO; JPO | OR | OFF | 2006/06/16 13:53 |
| S7 | 563 | stratif$6 near4 fluid$4 | US-PGPUB; USPAT; USOCR; EPO; JPO | OR | OFF | 2006/06/19 08:16 |
| S8 | 7 | S7 and nucleic | US-PGPUB; USPAT; USOCR; EPO; JPO | OR | OFF | 2006/06/16 13:55 |
| S9 | 15 | stratif$6 near4 fluid$4 same wash$4 | US-PGPUB; USPAT; USOCR; EPO; JPO | OR | OFF | 2006/06/16 13:56 |

| S10 | 31 | (stratif$6 near4 fluid$4) and (cartridg$2 or cassett$2 or card$2 ) | US-PGPUB; USPAT; USOCR; EPO; JPO | OR | OFF | 2006/06/16 14:56 |
|-----|-----|-----|-----|-----|-----|-----|
| S11 | 28 | S7 and (pressur$6 near4 gradient$2) | US-PGPUB; USPAT; USOCR; EPO; JPO | OR | OFF | 2006/06/16 14:01 |
| S12 | 5 | ("6242266" or "6323043" or "6020475" or "6222030" or "6300137").pn. | US-PGPUB; USPAT; USOCR; EPO; JPO | OR | OFF | 2006/06/16 14:03 |
| S13 | 14 | pulse$2 near4 jet$4 near4 monomer$2 | US-PGPUB; USPAT; USOCR; EPO; JPO | OR | OFF | 2006/06/16 14:05 |
| S14 | 6 | S7 and "flow cell" | US-PGPUB; USPAT; USOCR; EPO; JPO | OR | OFF | 2006/06/16 14:39 |
| S15 | 4 | S11 and flow$4 near4 cell$2 | US-PGPUB; USPAT; USOCR; EPO; JPO | OR | OFF | 2006/06/19 08:18 |
| S16 | 25 | wilding.in. and mesoscale | US-PGPUB; USPAT; USOCR; EPO; JPO | OR | OFF | 2006/06/19 08:25 |
| S17 | 1 | "6426184".pn. | US-PGPUB; USPAT; USOCR; EPO; JPO | OR | OFF | 2006/06/16 15:19 |
| S18 | 4 | "449838".ap. | US-PGPUB; USPAT; USOCR; EPO; JPO | OR | OFF | 2006/06/16 15:49 |
| S19 | 106 | array$2 same synthesi$5 same ($7diol or dmso) | US-PGPUB; USPAT; USOCR; EPO; JPO | OR | OFF | 2006/06/16 15:52 |
| S20 | 70 | S19 and nucleic | US-PGPUB; USPAT; USOCR; EPO; JPO | OR | OFF | 2006/06/16 15:52 |
| S21 | 563 | stratif$6 near4 fluid$4 | US-PGPUB; USPAT; USOCR; EPO; JPO | OR | OFF | 2006/06/19 08:17 |

# EAST Search History

| | | | | | | |
|---|---|---|---|---|---|---|
| S22 | 5 | S21 and "cm/s" | US-PGPUB; USPAT; USOCR; EPO; JPO | OR | OFF | 2006/06/19 08:17 |
| S23 | 234 | S21 and (flow$2 near8 rate$2) | US-PGPUB; USPAT; USOCR; EPO; JPO | OR | OFF | 2006/06/19 08:18 |
| S24 | 8 | S23 and flow$4 near4 cell$2 | US-PGPUB; USPAT; USOCR; EPO; JPO | OR | OFF | 2006/06/19 08:18 |
| S25 | 25 | wilding.in. and mesoscale | US-PGPUB; USPAT; USOCR; EPO; JPO | OR | OFF | 2006/06/19 08:26 |
| S26 | 19 | S25 and (flow$2 near8 rate$2) | US-PGPUB; USPAT; USOCR; EPO; JPO | OR | OFF | 2006/06/19 08:26 |
| S27 | 819 | (separat$6 or purg$4) near4 (fluid$4) same (different$5 near4 densit$4) | US-PGPUB; USPAT; USOCR; EPO; JPO | OR | OFF | 2006/06/19 09:11 |
| S28 | 397 | S27 and (flow$4 near8 rate$2) | US-PGPUB; USPAT; USOCR; EPO; JPO | OR | OFF | 2006/06/19 09:12 |
| S31 | 14 | S28 and ((substrate$2 or wafer$2 or surface$2) near4 wash$4) | US-PGPUB; USPAT; USOCR; EPO; JPO | OR | OFF | 2006/06/19 09:10 |
| S32 | 58 | S28 and stratif$4 | US-PGPUB; USPAT; USOCR; EPO; JPO | OR | OFF | 2006/06/19 09:08 |
| S33 | 14 | S28 and ((substrate$2 or wafer$2 or surface$2 or $5array$2 or $5chip$2) near4 wash$4) | US-PGPUB; USPAT; USOCR; EPO; JPO | OR | OFF | 2006/06/19 09:13 |
| S34 | 1119 | (separat$6 or purg$4) near4 (fluid$4) same (differen$5 near4 densit$4) | US-PGPUB; USPAT; USOCR; EPO; JPO | OR | OFF | 2006/06/19 09:17 |
| S35 | 552 | S34 and (flow$4 near8 rate$2) | US-PGPUB; USPAT; USOCR; EPO; JPO | OR | OFF | 2006/06/19 09:12 |

# EAST Search History

| | | | | | | |
|---|---|---|---|---|---|---|
| S37 | 29 | S35 and ((substrate$2 or wafer$2 or surface$2 or $5array$2 or $5chip$2) near4 wash$4) | US-PGPUB; USPAT; USOCR; EPO; JPO | OR | OFF | 2006/06/19 09:14 |
| S38 | 53 | S35 and ((substrate$2 or wafer$2 or surface$2 or $5array$2 or $5chip$2) near4 (vertic$6 or horizontal$6)) | US-PGPUB; USPAT; USOCR; EPO; JPO | OR | OFF | 2006/06/19 09:15 |
| S39 | 33 | S34 and nucleic | US-PGPUB; USPAT; USOCR; EPO; JPO | OR | OFF | 2006/06/19 09:17 |
| S40 | 119 | (angl$4 or inclin$4) near8 (substrate$2 or $5chip$2 or $5array$2 or surface$2 or membran$2 or semiconductor$2 or wafer$2) and S34 | US-PGPUB; USPAT; USOCR; EPO; JPO | OR | OFF | 2006/06/19 09:28 |
| S41 | 9 | S40 and nucleic | US-PGPUB; USPAT; USOCR; EPO; JPO | OR | OFF | 2006/06/19 09:30 |
| S42 | 84 | S40 and (flow$4 near4 rate$2) | US-PGPUB; USPAT; USOCR; EPO; JPO | OR | OFF | 2006/06/19 09:24 |
| S43 | 739 | (angl$4 or inclin$4) near8 (substrate$2 or $5chip$2 or $5array$2 or surface$2 or membran$2 or semiconductor$2 or wafer$2) and (fluid$6 same (differen$6 near4 densit$4)) | US-PGPUB; USPAT; USOCR; EPO; JPO | OR | OFF | 2006/06/19 09:29 |
| S44 | 79 | S43 and nucleic | US-PGPUB; USPAT; USOCR; EPO; JPO | OR | OFF | 2006/06/19 09:32 |
| S45 | 1198 | flow same "cm/s" | US-PGPUB; USPAT; USOCR; EPO; JPO | OR | OFF | 2006/06/19 11:44 |
| S46 | 106 | (flow same "cm/s") same (prefer$4 or advantag$6 or improv$6) | US-PGPUB; USPAT; USOCR; EPO; JPO | OR | OFF | 2006/06/19 09:39 |
| S47 | 48 | ((flow$4 near4 rate$2) same "cm/s") same (prefer$4 or advantag$6 or improv$6) | US-PGPUB; USPAT; USOCR; EPO; JPO | OR | OFF | 2006/06/19 09:40 |

| S48 | 22 | ((flow$4 near4 rate$2) same "cm/s") and (fluid$7 same (differen$6 near4 densit$4)) | US-PGPUB; USPAT; USOCR; EPO; JPO | OR | OFF | 2006/06/19 10:44 |
|-----|-----|-----|-----|-----|-----|-----|
| S49 | 0 | (forman.xp. or forman.xa.) and (differn$6 near4 densit$6) | US-PGPUB; USPAT; USOCR; EPO; JPO | OR | OFF | 2006/06/19 09:55 |
| S50 | 27 | (forman.xp. or forman.xa.) and (differen$6 near4 densit$6) | US-PGPUB; USPAT; USOCR; EPO; JPO | OR | OFF | 2006/06/19 09:57 |
| S51 | 0 | afymetrix.as. and "flow cell" | US-PGPUB; USPAT; USOCR; EPO; JPO | OR | OFF | 2006/06/19 09:57 |
| S52 | 225 | affymetrix.as. and "flow cell" | US-PGPUB; USPAT; USOCR; EPO; JPO | OR | OFF | 2006/06/19 10:01 |
| S53 | 42 | "flow cell" and (tilt$4 or angl$4 or vertic$6) and (pressur$4 near4 gradient$2) and (differen$4 near4 densit$5) | US-PGPUB; USPAT; USOCR; EPO; JPO | OR | OFF | 2006/06/19 10:05 |
| S54 | 249 | ("flow cell" or cartridg$6 or cassett$2 or card$2 or $5chip$2 or wafer$2) and (tilt$4 or angl$4 or vertic$6) and (pressur$4 near4 gradient$2) and (differen$4 near4 densit$5) | US-PGPUB; USPAT; USOCR; EPO; JPO | OR | OFF | 2006/06/19 10:19 |
| S55 | 2 | "6323043".pn. or "6242266".pn. | US-PGPUB; USPAT; USOCR; EPO; JPO | OR | OFF | 2006/06/19 10:17 |
| S56 | 466 | semiconduct$4 and (fluid$6 same ((differen$4 or gradient$2) near4 densit$4)) | US-PGPUB; USPAT; USOCR; EPO; JPO | OR | OFF | 2006/06/19 10:28 |
| S57 | 160 | S56 and (flow$4 near4 rate$2) and (pressur$4) | US-PGPUB; USPAT; USOCR; EPO; JPO | OR | OFF | 2006/06/19 10:22 |
| S58 | 7 | (semiconduct$4 same wash$4) and (fluid$6 same ((differen$4 or gradient$2) near4 densit$4)) | US-PGPUB; USPAT; USOCR; EPO; JPO | OR | OFF | 2006/06/19 10:29 |

# EAST Search History

| S59 | 161 | (semiconduct$4 same wash$4) and ((differen$4 or gradient$2) near4 densit$4) | US-PGPUB; USPAT; USOCR; EPO; JPO | OR | OFF | 2006/06/19 10:30 |
|-----|-----|---|---|---|---|---|
| S60 | 4 | S48 and (pressur$6 near4 gradient$2) | US-PGPUB; USPAT; USOCR; EPO; JPO | OR | OFF | 2006/06/19 10:45 |
| S61 | 490 | "flow rate" same "cm/s" | US-PGPUB; USPAT; USOCR; EPO; JPO | OR | OFF | 2006/06/19 12:09 |
| S62 | 57 | S61 and nucleic | US-PGPUB; USPAT; USOCR; EPO; JPO | OR | OFF | 2006/06/19 11:45 |
| S63 | 31 | "flow rate" same "cm/s" same (prefer$4 or advantag$6) | US-PGPUB; USPAT; USOCR; EPO; JPO | OR | OFF | 2006/06/19 12:20 |
| S64 | 11 | "flow rate" same "cm/s" same gradient$4 | US-PGPUB; USPAT; USOCR; EPO; JPO | OR | OFF | 2006/06/19 12:09 |
| S65 | 1798 | "flow rate" same (pressur$4 near4 gradient$2) | US-PGPUB; USPAT; USOCR; EPO; JPO | OR | OFF | 2006/06/19 12:21 |
| S66 | 9 | "flow rate" same ((pressur$4 near4 gradient$2) near4 advantag$6) | US-PGPUB; USPAT; USOCR; EPO; JPO | OR | OFF | 2006/06/19 12:35 |
| S67 | 1 | ($5array$2 or $5chip$2 or immobiliz$6) and ("flow rate" same ((pressur$4 near4 gradient$2) near4 advantag$6)) | US-PGPUB; USPAT; USOCR; EPO; JPO | OR | OFF | 2006/06/19 12:24 |
| S68 | 17 | ($5array$2 or $5chip$2 or immobiliz$6) and (flow$4 same ((pressur$4 near4 gradient$2) near4 advantag$6)) | US-PGPUB; USPAT; USOCR; EPO; JPO | OR | OFF | 2006/06/19 12:27 |
| S69 | 1 | nucleic and (flow$4 same ((pressur$4 near4 gradient$2) near4 advantag$6)) | US-PGPUB; USPAT; USOCR; EPO; JPO | OR | OFF | 2006/06/19 12:28 |
| S70 | 16 | nucleic and (flow$4 same ((pressur$4 near4 gradient$2) same advantag$6)) | US-PGPUB; USPAT; USOCR; EPO; JPO | OR | OFF | 2006/06/19 12:28 |

# EAST Search History

| S71 | 0 | (fluid$6 near4 flow$2) same (pressur$4 near4 gradient$2) same "cm/s" | US-PGPUB; USPAT; USOCR; EPO; JPO | OR | OFF | 2006/06/19 12:35 |
| S72 | 18 | (fluid$6 near4 flow$2) same ((pressur$4 near4 gradient$2) near4 advantag$6) | US-PGPUB; USPAT; USOCR; EPO; JPO | OR | OFF | 2006/06/19 12:35 |